

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Date:** September 1, 2005

**Inspector:** Don Ukers

**Location:** 345kV Underground Route

**Storm/**

**Rain Event:** The area has received up to 0.37" of precipitation over 8/30-8/31 in some locations since the last inspection as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Vault Openings and Trench Construction	<ul style="list-style-type: none"> <li>- Trenching, pipe installation, and sawcutting operations continue along Rt. 7 in Wilton during the night. 9/1/05</li> <li>- Trenching, pipe installation, and saw cutting continued along Rt. 107 during the day in the vicinity of #124. 9/1/05</li> <li>- The vault/manhole contractor is working at a location across from Zion Hill Church off roadway. 8/25/05</li> <li>- Active work for a jack and bore of a stream near Allens Meadows Park is ongoing. The jacking pit is in the process of being backfilled as the bore is mostly complete. A receiving pit is now under construction to complete the work. 9/1/05</li> </ul>	<ul style="list-style-type: none"> <li>- The majority of the work has been in the roadway and seems contained for the most part. Continue to provide attention to any off- road areas that need restoration. See additional sections for any specific recommendations. 9/1/05</li> <li>- Additional efforts made and a change to the method of the dewatering of the pit had resulted in much cleaner discharge water. As the work began to wrap up on the jacking pit side, there was little water leaving the settling basin. 9/1/05</li> </ul>
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> <li>- It appears areas of silt fence remain installed in the areas of active work along Rt. 7 and Rt. 107 where needed, but several areas of silt fence are down. The previously reported area of double silt fence at the curb break has also become</li> </ul>	<ul style="list-style-type: none"> <li>- Continue to monitor and maintain and repair the fence in the vicinity of active work. If work returns to the areas where the silt fence is down or untoed, it must be repaired before active work begins. 9/1/05</li> </ul>

Areas of Inspection	Observation	Recommended Action
	untoed. 8/25/05-9/1/05	
<p>Erosion and Sediment Controls (continued)</p> <p><b>Route 7</b></p>	<ul style="list-style-type: none"> <li>- The silt fence located at the edge of the original storage yard near the Rt. 107 and 7 intersection has been pushed over completely due to separate landowner activities. 8/19-9/1/05</li> <li>- The silt fence at the base of the soil stockpile near the Rts 107/7 intersection has been repaired as requested. 9/1/05</li> <li>- Some haybales were noted up on the curb along Rt. 7 near Marvin Gardens rather than on the catch basins. This may be done during the day due to the lack of active work 9/1/05</li> <li>-The area in front of the school fields has been raked of stone and graded. It should be confirmed whether the area was seeded. 9/1/05</li> <li>- The settling basin has been rebuilt and dewatering is being performed differently to avoid the silt and turbidity from the jacking pit. These additional efforts and completing portions of the work have led to definite improvements here. 9/1/05</li> <li>- Catch basins in the vicinity of Rt. 107 daywork were noted to be protected as recommended. 9/1/05</li> <li>- It was not confirmed whether the erosion caused by slurry muds under a wooden fence off Rt. 107 was repaired. 8/25-9/1/05</li> </ul>	<ul style="list-style-type: none"> <li>- It needs to be confirmed whether this fence was repaired. Wetlands are immediately beyond the yard. 9/1/05</li> <li>-None at this time. Continue to maintain fence as long as the pile remains. 9/1/05</li> <li>- Make sure that haybales are replaced in the catch basins during the nightwork and continue to maintain them. Filter fabric is also an accepted measure if haybales are difficult to maintain. 9/1/05</li> <li>- None at this time. Continue to restore any off-roadway areas that have disturbed soil in an appropriate amount of time. 9/1/05</li> <li>- Almost no water had been leaving the settling basin at the time of inspection and had been much cleaner prior to this. Continue to make these efforts when preparing the receiving pit. 9/1/05</li> <li>- In general, catch basins should also be cleaned regularly and roadways swept of sediment attributed to the project. Contain all muds and monitor where water is flowing even when catch basins are not the receivers. 9/1/05</li> </ul>
Adjacent Wetlands and	-Additional good efforts on the jack and bore near Allens	- Noticeable improvements were made on the controls and

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Waterways	<p>Meadow Park has fixed the issue of turbid water getting to the stream. The discharge had been clearer and actually remained contained in the basin at the time of inspection 9/1/05</p> <p>- Some sediment had been noticed accumulating at the edge of the spillway at the stream's edge before the repairs were made. 9/1/05</p>	<p>quality of the discharge water. Continue to make these good efforts when the receiving pit is constructed. 9/1/05</p> <p>- When the settling basin is removed and closed up, remove the additional sediment accumulation at the edge of the stream by hand/shovel. 9/1/05</p> <p>- In general, keep slurry muds in control as catch basins may outlet to wetlands.</p>
Staging, Storage, and Parking Areas	<p>- The silt fence at the equipment storage yard located on property off Rt. 7, south of the Rt 107 and 7 intersection has been completely pushed over by separate landowner activities. 8/19-9/1/05</p> <p>- The additional storage and staging yards for equipment and constructing trench materials along Rt. 7, appears to be in good repair. 9/1/05</p> <p>-At the School Rd. storage area, the soil surface is disturbed where the stockpiles had been. If bore staging work is not scheduled here soon, it should be temporarily stabilized. 9/1/05</p>	<p>- It needs to be confirmed when the fence is repaired. Wetlands are located immediately adjacent. 9/1/05</p> <p>- In general, equipment should not be left above or adjacent to wetlands during inactive hours.</p> <p>- Continue to keep the area contained. Keep materials and equipment to a condensed area where possible. 9/1/05</p> <p>- Consider temporary restoration measures here if the need for staging is not scheduled in the near future. 9/1/05</p>
Soils	<p>- Most soils along the project route are being trucked to a waste facility in Danbury for storage and eventual disposal. However, any soils from the work in Redding which meet the RSR levels are being used in the landfill as daily cover. 7/14-9/1/05</p>	<p>- Soils appear to be handled appropriately. 9/1/05</p>

Areas of Inspection	Observation	Recommended Action
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<p>-The area near the athletic fields between School Rd. and the high school has been raked of stones and graded. It is being confirmed whether the area was seeded. 9/1/05</p> <p>- Continue restoration efforts on all areas off the roadway where soil has been disturbed, including near School Rd. Storage if the staging area is not scheduled soon. 9/1/05</p>	<p>-Seed if necessary and continue restoration efforts in any other off road areas. 9/1/05</p> <p>- According to the D&amp;M plan, areas that are disturbed but will not be worked in for over 21 days should be temporarily stabilized/reseeded after 7-14 days. Restoration crews should be attending these areas prior to the deadline.</p>
Dewatering	<p>-Dewatering that occurs within the trench work along Rt. 107 and Rt. 7 is being directed to a frac tank truck.</p> <p>- Significant dewatering had been needed for the jack and bore of the stream but it is finishing up here in the jacking pit. Alternative well points had been used to avoid the turbid water in the jacking pit. 9/1/05</p>	<p>- It could be determined whether the watershed basin is stressed due to removal of the groundwater.</p> <p>-In general, keep dewatering from any clean soils directed to haybales/corrals as proposed. Do not allow unfiltered water to discharge directly to wetlands, streams or catch basins.</p>
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills and Material Storage	- No spills or leaks were observed during the inspection. 9/1/05	<p>- The contractors should remain vigilant about securing and handling fuel containers.</p> <p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site.</p> <p>- Check equipment status on a regular basis and keep spill kits on hand.</p> <p>- Report spills immediately, even if they are being controlled.</p>

Areas of Inspection	Observation	Recommended Action
Additional Observations		

**Next likely scheduled inspection:**

Wednesday, September 7, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:**

Diana Walden for Don Ukers



345kV (Route 7 Wilton): View of the School Rd. area where disturbed soil should be temporarily stabilized unless the staging work occurs here soon. (9/1/05)



View of the jack and bore operation including the settling basin near Allens Meadow Park. The actual bore is almost done and the jacking pit is being partially backfilled. A receiving pit will now be under construction. (9/1/05)





One of the areas along Rt. 7 where silt fence is down. Maintenance is **not necessary until** work returns to the adjacent roadway. (9/1/05)



View of the storage yard near the Rt. 107/7 intersection. Silt fence will be restored following the landowner's activities which pulled it down. (9/1/05)